

ABSTRACT

The present invention provides methods for providing as tags the nucleotide sequences at the 5' end of mRNA. The method of the present invention comprises the step of synthesizing 5 cDNA using, as a template, mRNA whose CAP structure is linked with a II_s linker having a type II_s endonuclease recognition sequence. Tags including the nucleotide sequence from the 5' end of mRNA are generated by reacting the type II_s endonuclease to cDNA. Tags can be generated from all mRNA, independently of their nucleotide sequences. Methods for identifying transcriptional start sites and primers for full-length cDNA synthesis are provided based on the nucleotide 10 sequence information of tags of the present invention.